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IAS/MSD 56/70
3 April 1970
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MEMORANDUM FOR: Chief, Asian Communist Forces Division, OSR

ATTENTION: [REDACTED] Strategic Forces Branch

SUBJECT: Construction Chronology of Surface-to-Surface Missile
Site and Nearby Facilities, Wu-chai, China

1. The attached memorandum provides a preliminary analysis and a brief chronology of the surface-to-surface missile site near Wu-chai, China. It also reviews unidentified activity nearby as well as two other major construction activities projects in the vicinity--the Wu-chai Airfield North and the rail spur leading from the main line between Ta-tung and Tai-yuan at Ning-wu. A table showing the chronology of these activities is included as well as a map showing locations and rail spur progress.

2. We are continuing with our analysis of these facilities and NPIC is in the process of preparing a detailed report.

3. Questions regarding this analysis may be directed to the imagery analyst, [REDACTED] of the Missile Systems Division, IAS on extension [REDACTED]

[REDACTED]
Director
Imagery Analysis Service

Attachments:
As stated

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

IMAGERY ANALYSIS MEMORANDUM

SUBJECT: Construction Chronology of Surface-to-Surface Missile Site and
Nearby Facilities, Wu-chai, China

1. This memorandum provides a brief chronology of the newly identified surface-to-surface missile site near Wu-chai, China, from the negation photography [] to the latest observation []. It also reviews unidentified activity near the SSM site as well as two other major construction projects in the vicinity -- the Wu-chai Airfield North and the rail spur leading toward the SSM site from the main line about 35 nautical miles away. One or both of these two may serve the SSM facilities. For the location of the airfield and rail spur relative to the SSM site, see Attachment 2:

2. This is a preliminary report. It is based entirely on small-scale [] photography. The table enclosed as Attachment 3 lists every [] coverage to date, but details only key developments in order to provide an overview of milestones in the construction progress of the SSM facilities, the airfield and the rail spur. Analysis is continuing.

SSM Facilities

3. The SSM site is located 12 nautical miles west-southwest of Wu-chai, China and approximately 600 nautical miles east of the Shuang-cheng-tzu Missile Test Center at 38-49-05N 111-35-08E. It is similar in configuration to launch areas at Complexes A and D at the test center. Scarring for the pad was first seen on photography of []. It was not present on the next earlier available photography of []. All major elements of the site appeared to be present and complete on [] but the site did not have a neat, clean appearance. We see very little change at the launch site since that time. A missile, on a transporter-erector, was on the pad on [] and a possible missile exercise was observed on [].

4. A support base is located in the valley just south of the site and is connected to it by road. It was first seen in a very early stage (about four buildings) []. It was not present in []. On the most recent coverage, it contains about 60 buildings. Twelve of these are approximately 110-foot probable warehouses, ten probable barracks, and one probable administration building. The remaining buildings are smaller and of varying sizes. They are arranged in an orderly, military layout. What appears to be a vehicle park and open storage areas are

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located on either side of the main road near the buildings. Across the ravine are four additional 110-foot long buildings. Physical security at the support base cannot be determined from the available small-scale photography.

5. The road serving the support base branches from the main road between Wu-chai and Ko-lan. It was newly constructed concurrent with the beginning of the support base. Grading and probable surfacing of the road serving the support base is observed

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Airfield

7. Wu-chai Airfield North is located 15 nautical miles north-northwest of the SSM site. Its large parking aprons and the absence of alert aprons indicate that this airfield is probably designed for use by transport aircraft. The construction procedure of this airfield has been unusual in that the outline and grading of the airfield including the runway,

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parking aprons, and crossover links were all constructed prior to the beginning of the concrete surfacing, which is now under way. This procedure would have permitted the field to be utilized on a limited basis during the period November 1968 - spring 1969. No aircraft have been observed at this field.

Rail Spur

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8. The rail spur construction has been under way since [redacted]. At present the spur is serviceable for a distance of only about nine miles from Ning-wu, where it leaves the main line between Ta-tung and Tai-yuan. On the most recent coverage, the rail bed extends to about one mile northeast of the support base of the SSM site. There are no other known important complexes in this region but the rail may be extended to serve the town of Ko-lan, seven miles to the south.



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CONSTRUCTION CHRONOLOGY OF SURFACE-TO-SURFACE MISSILE SITE
AND NEARBY FACILITIES, WU-CHAI, CHINA

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<u>SSM Facilities</u>	<u>Wu-Chai North Airfield</u>	<u>Rail Spur</u>
Support base negation	--	--
SSM site negation	--	--
Several small and at least 2 large buildings present at main support base of site location.		
Initial grading and scarring for pad.	--	--
Support base cloud covered. Improved road and road bridge serving site incomplete.		
Pad configuration visible.	--	--
Vehicle revetments and cable ditching present.		
Road and road bridge complete.		
Pad completely surfaced.	--	--
Road net probably not complete. Water tank present.		
Mono poor image quality. No report	--	--
Approach and loop roads complete. All components of site present, but side does not have a neat, clean appearance. First evidence of dark image on pad surface.	Negation	Negation
Missile on transporter-erector on pad.	First seen. Runway graded probably serviceable	Ground scarring at bridge abutment on Kuei River at Ning-wu. Footings for 2 bridge piers.
Vehicles/equipment parked in area immediately south of pad. Five facilities remain unchanged.	No significant change.	Addition right of way scarring near Shen-chih. Small linear scar NE of Wu-chai.
Cable trench unearthed between pad and probable control bunker.	No significant change.	Scattered scarring for 9 miles between Ning-wu and Chen-chih
Cable trench closed. No activity on pad and no vehicles/equipment apparent in vicinity of site.	No significant change.	Right-of-way scarring NE of Wu-chai.

Attachment 3 to:

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25X1SSM Facilities

Missile exercise on pad. Possible missile on transporter-erector in same position as [redacted] One other long U/I vehicle/equipment. Several other parked vehicles to the north and south of pad. First evidence of 600 by 700-foot excavation located .5 nm north of site.

Five or six vehicles parked south of pad.

Wu-Chai North Airfield

Runway initial surfacing 30% complete.

Runway final surfacing 30% complete.

Runway final surfacing 40% complete.

Rail Spur

Bridge over Kuei River at Ning-wu complete. Rail installed for distance of 2 nm. Rail bed prepared for distance of 28 miles to Wu-chai.

Rail serviceable distance of 11 miles-- Ning-wu to Shen-chih. Construction along 32 miles of right-of-way.